

### **REMARKS**

This paper is responsive to any paper(s) indicated above, and is responsive in any other manner indicated below.

### **PENDING CLAIMS**

Claims 1-10 were pending, under consideration and subjected to examination in the Office Action. Appropriate claims have been amended, canceled and/or added (without prejudice or disclaimer) in order to adjust a clarity and/or focus of Applicant's claimed invention. That is, such changes are unrelated to any prior art or scope adjustment and are simply refocused claims in which Applicant is present interested. At entry of this paper, Claims 1-10 will be pending for further consideration and examination in the application.

### **RCE FILED TO AVOID PROSECUTION DELAYS**

In view of the significant features/limitations of the amended and/or added claims being inappropriate (i.e., deniable) for entry after final rejection in that such would require significant further search and/or consideration, the present RCE was filed to avoid Advisory Action delay and to gain immediate entry/consideration of such feature/limitations. In view of the significant features/limitations of the amended and/or added claims, it is respectfully submitted that it would NOT BE PROPER to make a FIRST ACTION FINAL within the present RCE.

### **ALL 35 USC '103 REJECTIONS**

All prior art rejections under 35 USC '103 are respectfully traversed, but the present cancellation/amendment of the rejected claims (without prejudice or disclaimer) to obtain a patent (without prejudice or disclaimer) on ones of the allowable claims as quickly as possible, has rendered such rejection(s) obsolete. Thus gratuitous traversal arguments concerning the rejection(s) are omitted for brevity. Further discussions/arguments concerning such rejection(s) are left for the future if/when appropriate. Based upon the following, reconsideration and withdrawal of such rejection(s) are respectfully requested.

All descriptions of Applicant's disclosed and claimed invention, and all descriptions and rebuttal arguments regarding the applied prior art, as previously submitted by Applicant in any form, are repeated and incorporated hereat by reference. Further, all Office Action statements regarding the prior art rejections are respectfully traversed. As additional arguments, Applicant respectfully submits the following.

Applicant's disclosed and claimed invention specifically includes important active current-output circuit components circuits provided at respective front stages of said first 2<sup>nd</sup>-order passive filter and said second passive filter to isolate the transfer functions of said first 2<sup>nd</sup>-order passive filter and said second passive filter. That is, in terms of claim limitations, independent claim 1, for example, recites: "A transmitter comprising: a phase control loop for controlling a phase of a carrier being output from a transmission oscillator; and an amplitude control loop for controlling an amplitude of a transmission being output signal output from a power amplifier, wherein a filter provided on said amplitude control loop for restricting a frequency

band of said amplitude control loop is configured by a first 2<sup>nd</sup>-order passive filter including a capacitor and a resistor and a second passive filter including only a capacitor, and **active current-output circuits are provided at respective front stages of said first 2<sup>nd</sup>-order passive filter and said second passive filter to isolate the transfer functions of said first 2<sup>nd</sup>-order passive filter and said second passive filter.**”

Turning now to rebuttal of the applied references, it is respectfully submitted that such applied-references (whether each taken alone, or in the applied combinations) would not have disclosed or suggested Applicant’s invention, in that none of the applied references disclose or suggest Applicant’s active current-output circuit components circuits provided at respective front stages of said first 2<sup>nd</sup>-order passive filter and said second passive filter.

In addition to the foregoing, the following additional remarks from Applicant’s foreign representative are also submitted in support of traversal of the rejection and patentability of Applicant’s claims.

### **Regarding Claim Rejections**

A distinction between the present invention and Buchwald reference (IEEE of SSC, Vol. 27, No. 12: “A 6-GHz integrated phase-locked loop using AlGaAs/GaAs heterojunction bipolar transistors”) newly cited in the final Action is as follows:

More particularly, an important object of Applicant’s present invention is to reduce the transmission output noise of the transmitter for **polar-loop** architecture, whereas that of Buchwald reference is to realize the 6-GHz operated **PLL**. Therefore, Applicant’s present invention is different from Buchwald reference in object.

Further, Applicant's present invention is configured by passive filters, whereas the Buchwald reference uses an active filter, and accordingly, problems regarding the consumption current and the noise arise by using the active filter.

An argument about the claim rejections is as follows. More particularly, in the transmitter recited in Applicant's present invention, the amplitude detector 230 and the buffer 215 (current-output type circuit) are inserted within Applicant's claimed arrangement, as described in Fig. 1 and the embodiment (last line of page 13 to line 7 of page 15 in the specification).

As mentioned in the above description, the amplitude detector 230 is an important function for the transmitter complying with the wireless communication standard, and none of Buchwald reference, Tachimori reference (U.S. Patent Application Publication No. 2002/0051508), and Midtgaard reference (U.S. Patent Application Publication No. 2002/0090921), whether each taken alone, or in the applied combinations, would have disclosed or suggested Applicant's invention or make such review of the wireless communication standard.

As a result of all of the foregoing, it is respectfully submitted that the applied art would not support a '103 obviousness-type rejection of Applicant's claims. Accordingly, reconsideration and withdrawal of such '103 rejections, and express written allowance of all of the rejected claims, are respectfully requested. Further, at this point, it is respectfully submitted as a reminder that, if new art is now cited against any of Applicant's unamended claims, then it would not be proper to make a next action final.

### **EXAMINER INVITED TO TELEPHONE**

The Examiner is herein invited to telephone the undersigned attorneys at the local Washington, D.C. area telephone number of 703/312-6600 for discussing any Examiner's Amendments or other suggested actions for accelerating prosecution and moving the present application to allowance.

### **RESERVATION OF RIGHTS**

It is respectfully submitted that any and all claim amendments and/or cancellations submitted within this paper and throughout prosecution of the present application are without prejudice or disclaimer. That is, any above statements, or any present amendment or cancellation of claims (all made without prejudice or disclaimer), should not be taken as an indication or admission that any objection/rejection was valid, or as a disclaimer of any scope or subject matter. Applicant respectfully reserves all rights to file subsequent related application(s) (including reissue applications) directed to any/all previously claimed limitations/features which have been subsequently amended or cancelled, or to any/all limitations/features not yet claimed, i.e., Applicant continues (indefinitely) to maintain no intention or desire to dedicate or surrender any limitations/features of subject matter of the present application to the public.

### **CONCLUSION**

This Amendment is being submitted concurrently with the filing of a Request for Continued Examination (RCE) and does not present any changes which would

require further search, consideration or fees. Entry and approval of the minor corrections made herein are respectfully requested.

To the extent necessary, Applicant petitions for an extension of time under 37 CFR '1.136. Authorization is herein given to charge any shortage in the fees, including extension of time fees and excess claim fees, to Deposit Account No. 01-2135 (Case No. 843.44318X00) and please credit any excess fees to such deposit account.

Based upon all of the foregoing, allowance of all presently-pending claims is respectfully requested.

Respectfully submitted,

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